

PROGRAM :

```
import 'package:flutter/material.dart';

void main() {
  runApp(const StudentRecordApp());
}

class StudentRecordApp extends StatelessWidget {
  const StudentRecordApp({super.key});

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      debugShowCheckedModeBanner: false,
      title: 'Student Record Management',
      theme: ThemeData(
        primarySwatch: Colors.teal,
      ),
      home: const StudentHomePage(),
    );
  }
}

class StudentHomePage extends StatefulWidget {
  const StudentHomePage({super.key});

  @override
```

```
State<StudentHomePage> createState() => _StudentHomePageState();  
}
```

```
class _StudentHomePageState extends State<StudentHomePage> {  
  final TextEditingController nameController = TextEditingController();  
  final TextEditingController rollController = TextEditingController();  
  final TextEditingController deptController = TextEditingController();
```

```
List<Map<String, String>> students = [];
```

```
void addStudent() {  
  if (nameController.text.isNotEmpty &&  
      rollController.text.isNotEmpty &&  
      deptController.text.isNotEmpty) {  
    setState(() {  
      students.add({  
        'name': nameController.text,  
        'roll': rollController.text,  
        'dept': deptController.text,  
      });  
    });  
  }
```

```
    nameController.clear();  
    rollController.clear();  
    deptController.clear();  
  }  
}
```

```
void cancelInput() {  
    nameController.clear();  
    rollController.clear();  
    deptController.clear();  
}
```

```
void deleteStudent(int index) {  
    setState(() {  
        students.removeAt(index);  
    });  
}
```

```
@override  
Widget build(BuildContext context) {  
    return Scaffold(  
        appBar: AppBar(  
            title: const Text('Student Record Management'),  
            centerTitle: true,  
        ),  
        body: Padding(  
            padding: const EdgeInsets.all(16),  
            child: Column(  
                children: [  
                    // Student Name  
                    TextField(  
                        controller: nameController,  
                        decoration: const InputDecoration(  

```

```
      labelText: 'Student Name',  
      border: OutlineInputBorder(),  
    ),  
  ),  
  const SizedBox(height: 10),
```

```
  TextField(  
    controller: rollController,  
    decoration: const InputDecoration(  
      labelText: 'Roll Number',  
      border: OutlineInputBorder(),  
    ),  
  ),  
  const SizedBox(height: 10),
```

```
  TextField(  
    controller: deptController,  
    decoration: const InputDecoration(  
      labelText: 'Department',  
      border: OutlineInputBorder(),  
    ),  
  ),  
  const SizedBox(height: 10),
```

```
  Row(  
    children: [
```

```
children: [
  Expanded(
    child: ElevatedButton(
      onPressed: addStudent,
      child: const Text('Add Student'),
    ),
  ),
  const SizedBox(width: 10),
  Expanded(
    child: OutlinedButton(
      onPressed: cancelInput,
      child: const Text('Cancel'),
    ),
  ),
],
),

const SizedBox(height: 20),

const Text(
  'Student List',
  style: TextStyle(fontSize: 18, fontWeight: FontWeight.bold),
),
const SizedBox(height: 10),

Expanded(
  child: students.isEmpty
```

```

? const Center(child: Text('No Records Found'))

: ListView.builder(
  itemCount: students.length,
  itemBuilder: (context, index) {
    return Card(
      child: ListTile(
        title: Text(students[index]['name']!),
        subtitle: Text(
          'Roll: ${students[index]['roll']} | Dept: ${students[index]['dept']}',
        ),
        trailing: IconButton(
          icon: const Icon(Icons.delete, color: Colors.red),
          onPressed: () => deleteStudent(index),
        ),
      ),
    );
  },
),
1,
),
),
);
}
}

```

OUTPUT :

Student Record Management

Student Name

Roll Number

Department

Add StudentCancel

Student List

No Records Found

Student Record Management

Student Name

Roll Number

Department

Add StudentCancel

Student List

Priya

Roll: 101 | Dept: CSE

Ravi

Roll: 123 | Dept: EEE